

Applicant : Manfred Lenhart  
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IN THE SPECIFICATION:

Please amend the last paragraph on page 7 continuing to page 8 as follows:

The guidance structure houses two drum shaped rotating slides 15 and 17 forming the valve bodies of the shift valve 9. The rotating slide 15 is associated with the feeding cylinder 3, the rotating slide 17 is associated with the feeding cylinder 5. Only via the shift valve 9, or the valve paths of the rotating slides thick material reaches the feeding cylinders 3 and 5, and only via this shift valve the feeding cylinders eject the thick material into the feed line, not shown here, as will be described in detail later. Eventually downstream of the shift valve 9 a collector- or Y-tube 19 with a flange 21 is provided for connecting the feed line 25. The collector tube 19 and the beginning of the feed line 25 are advantageously positioned at the same elevation as the axis of the feeding cylinders 3 and 5.

Please amend the first full paragraph on page 9 as follows:

Both rotating slides 15 and 17 can be positioned within the guidance structure 11 around rotating axes 15A or 17A in three different predefined shifting positions. They have bearings 27 on both sides (on the side of the feeding cylinders and on the side of the collector tube) in order to assure the movability of the rotating slides also under high external loads. This is accomplished through the drive system, which will be explained later, either in oscillating (tilt-) operation, or in rotating (revolving) operation. They have to provide the connection between the prefilling container and the feeding cylinders 3 and 5 on the one hand, and the feeding cylinders and the collector tube 19 with the connected feed line on the other hand. Therefore they comprise three functional sections, which follow each other on partial circles 15T / 17T, displaced by 120° around the rotating axes, and which are identical on both rotating slides. Therefore they are subsequently described together.

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Please amend the first paragraph on page 20 as follows:

Though, through the pre compression steps (phases 4 and 8) considerable forces are imparted to the rotating slides 15 and 17, however they are easily received and transferred through their robust and still relatively simple pivoting bearing 27 within the guidance structure 11. Hereby also the advantage of a constant connection of the downstream end of the collector tube 19 with the feed line comes to bear.

Please amend the second paragraph on page 20 as follows:

The momentary positions of the pistons K3 and K5 and of the rotating slides 15 and 17 can be sensed with suitable sensors (distance sensors, position sensors, pressure sensors), possibly directly at the respective drives. The sensors 29 preferably provide their position signals to a preferably central control unit 31 of the thick materials pump, which in turn controls the drives of the feeding pistons K3 and K5 and drives 33 of the shift valve 9.

Please amend the fourth paragraph on page 20 as follows:

Furthermore the control unit 31 has to, during the time span, when the freshly filled feeding cylinder is locked by the blocking section of the associated rotating slide 15 or 17, on the one hand stop the shift valve or adjust it to slower travel, on the other hand control the pre compression stroke of the associated piston. This possibly requires an additional pressure sensor that can be located in the cylinder, in the piston, or also in the pressurized branch of the collector tube 19. A blocking of the rotating slides 15 and 17 through increased pressure during pre compression can certainly be excluded through a pressure limiter or similar.